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RESULT 4
AAT27765

KW Alzheimer's disease; neuroectodermal tumour; malignant astrocytoma;
 KW monoclonal antibody; binding fragment; ds.
 XX Homo sapiens.

OS
 XX Key Location/Qualifiers
 XX CDS 14..1207
 FT /*tag= a
 FT /product= Neural thread protein.
 XX

PN W09615272-A1.

XX 23-MAY-1996.

XX 14-NOV-1995; 95WO-US17111.

XX 14-NOV-1994; 94US-0340426.

XX (GEHO) GEN HOSPITAL CORP.

XX De LA MONTE S, Wands JR;

XX WPI; 1996-259865/26.

XX P-PSDB; AAR95913.

XX Detection of neural thread protein in diagnosis of Alzheimer's
 FT disease - also NTP DNA and protein sequences used in gene and
 FT anti-sense therapy
 XX

XX Claim 24; Page 168-170; 238pp; English.

XX A method for detecting the presence of neural thread protein (NTP)
 CC having a molecular weight of 8, 14, 17, 21, 26 or 42 kD in a human
 CC subject comprises (a) contacting a sample from a human subject that
 CC is suspected of containing the NTP with at least one molecule
 CC capable of binding to the protein; and (b) detecting any of the
 CC molecule bound to the protein. The binding molecule is selected
 CC from an antibody free of natural impurities, a monoclonal antibody
 CC or a binding fragment of either of these. The method may be used for
 CC diagnosing the presence of Alzheimer's disease, neuroectodermal
 CC tumours and a malignant astrocytoma in a human.
 XX

XX Sequence 1418 BP; 302 A; 396 C; 315 G; 405 T; 0 other;

Query Match 84.8%; Score 1223.4; DB 17; Length 1418;
 Best Local Similarity 96.9%; Pred. No. 0;
 Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12;

QY 2 TTTTCTTTTTCAGATGGAGTTTCGCTCTGTGTGCTCCAGGCTGGAGTGCAATGGCGCAAT 61
 DB 1 TTTTCTTTTTCAGATGGAGTTTCGCTCTGTGTGCTCCAGGCTGGAGTGCAATGGCGCAAT 60
 QY 62 CTCAGCTCACGCAACCTCCGCTCCCGGTTCAAGCATCTCTGCTCAGCCTCCCC 121
 DB 61 CTCAGCTCACGCAACCTCCGCTCCCGGTTCAAGCATCTCTGCTCAGCCTCCCC 120
 QY 122 AGTA-GCTGGGATACAGGCATGTGCACCGCTCGGCTAATTTTGTATTTTGTAG 180
 DB 121 AGTAGGCTGGATACAGGCATGTGCACCGCTCGGCTAATTTTGTATTTTGTAG 179
 QY 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGTGTCTGGAATCCCGACCTCAGATGATC 240
 DB 180 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGTGTCTGGAATCCCGACCTCAGATGATC 238
 QY 241 CCTCCGCTCGGCTCCCAAGTCTAGATACAGGCTGGCCACCATGCCCGG-CTCTGC 299
 DB 239 CTCCCGTCTCGGCTCCCAAGTCTAGATACAGGCTGGCCACCATGCCCGGCTCTGC 298
 QY 300 CTGCTCAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCCAAGCTGTCTCTCGAG 359
 DB 299 CTGCTCAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCCAAGCTGTCTCTCGAG 358
 QY 360 CTCAGCAGTCCACCTTCGCTCAGCCTCCCAAGTGCTGGGATTACAGCGGTGCAGCGTG 419

RESULT 3

DB 359 CTCAGCAGTCCACCTGCGCTCCAGCTCCCAAGTGCTGGGATTACAGCGCTGCAGCGGTG 418
 QY 420 CTTGGCCTTTTATTTTATTTTATTTTAAAGACACAGAGTGTCCCACTCTTACCAGGATGAA 479
 DB 419 CTTGGCCTTTTATTTTATTTTATTTTAAAGACACAGAGTGTCCCACTCTTACCAGGATGAA 478
 QY 480 GTGCACTGGTGTGATCAGAGCTCAGTGCAGCCTTCAACTCTCTGAGATCAAGCATCTCTCT 539
 DB 479 GTGCACTGGTGTGATCAGAGCTCAGTGCAGCCTTCAACT-CTGAGATCAAGCATCTCTCT 537
 QY 540 GCCTCAGCCTCC-AAGTAGCTGGACCAAGACATGCACCACTACACCTTGGCTAAATTTT 598
 DB 538 GCCTCAGCCTCCCAAGTAGCTGGACCAAGACATGCACCACTACACCTTGGCTAAATTTT 597
 QY 599 TATTTTATTTTAAATTTTATTTTATTTTAAAGACACAGAGTGTCCCACTCTTACCAGGATG 658
 DB 598 TATTTTATTTTAAATTTTATTTTATTTTAAAGACACAGAGTGTCCCACTCTTACCAGGATG 657
 QY 659 GTGGCGCAATCTTGGCTCAGTGCACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCC 718
 DB 658 GTGGCGCAATCTTGGCTCAGTGCACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCC 717
 QY 719 CAGCCTCCTGAGTAGCTGGAGTACAGGCGCCACACAGCCTAGCTAGTAAATTTTGTATT 778
 DB 718 CAGCCTCCTGAGTAGCTGGAGTACAGGCGCCACACAGCCTAGCTAGTAAATTTTGTATT 777
 QY 779 TTTAGTAGAGATGGG-TTCACCATGTTGCCAGGTTGAT-CTTGATCTCTGACCTTGT 836
 DB 778 TTTAGTAGAGATGGGTTTACCATGTTGCCAGGTTGATGCTAGATCTCTTACCTTGT 837
 QY 837 GATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGG-CGTGAGCACCACCGCCCG 895
 DB 838 GATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGGAGTGTGACGCCACCGCCCG 897
 QY 896 GCTTATTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTACCAGGCTGGAGT 955
 DB 898 GCTTATTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTACCAGGCTGGAGT 957
 QY 956 GCAATGGGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGGATTTCTCTG 1015
 DB 958 GCAATGGGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGGATTTCTCTG 1017
 QY 1016 TCTAGCCTCCCAAGCAGCTGGGATTACGGGCACTGCCACACACCGCTAAATTTTG 1075
 DB 1018 TCTAGCCTCCCAAGCAGCTGGGATTACGGGCACTG-CACCACACCGCTAAATTTTG 1076
 QY 1076 TATTTTATTTAGAGCGGGGTTTACCATATTTTGTGAGGCTGGTCTCAAACTCTGACCT 1135
 DB 1077 TATTTTATTTAGAGCGGGGTTTACCATATTTTGTGAGGCTGGTCTCAAACTCTGACCT 1136
 QY 1136 CAGGTGACCCACCTCGCTCAGCCTTCCAAAGTGTGGGATTACAGCGGTGAGCCACCTCA 1195
 DB 1137 CAGGTGACCCACCTCGCTCAGCCTTCCAAAGTGTGGGATTACAGCGGTGAGCCACCTCA 1194
 QY 1196 CCCAGCCGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTCTTCTATGTTGCC 1255
 DB 1195 CCCAGCCGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTCTTCTATGTTGCC 1254
 QY 1256 AGGCTGCTCAAACTCTGCTGCTCATGCAATCTTCCAAATGAGCCACACACCCAGCC 1315
 DB 1255 AGGCTGCTCAAACTCTGCTGCTCATGCAATCTTCCAAATGAGCCACACACCCAGCC 1314
 QY 1316 AGTCACATTTTAAACAGTTTACATCTTTTATTTAGTACTAGTAAAGTAAATACATAA 1375
 DB 1315 AGTCACA-TTTTAAACAGTTTACATCTTTTATTTAGTACTAGTAAAGTAAATACATAA 1373
 QY 1376 CATGTCAAACCTGCAATTTCAAGTAGTAAACAGATCTTT 1414
 DB 1374 ATGCGGAACCTGCAATTCAGTAGTAAACAGATCTTTT 1412